Register your product and get support at

# www.philips.com/welcome
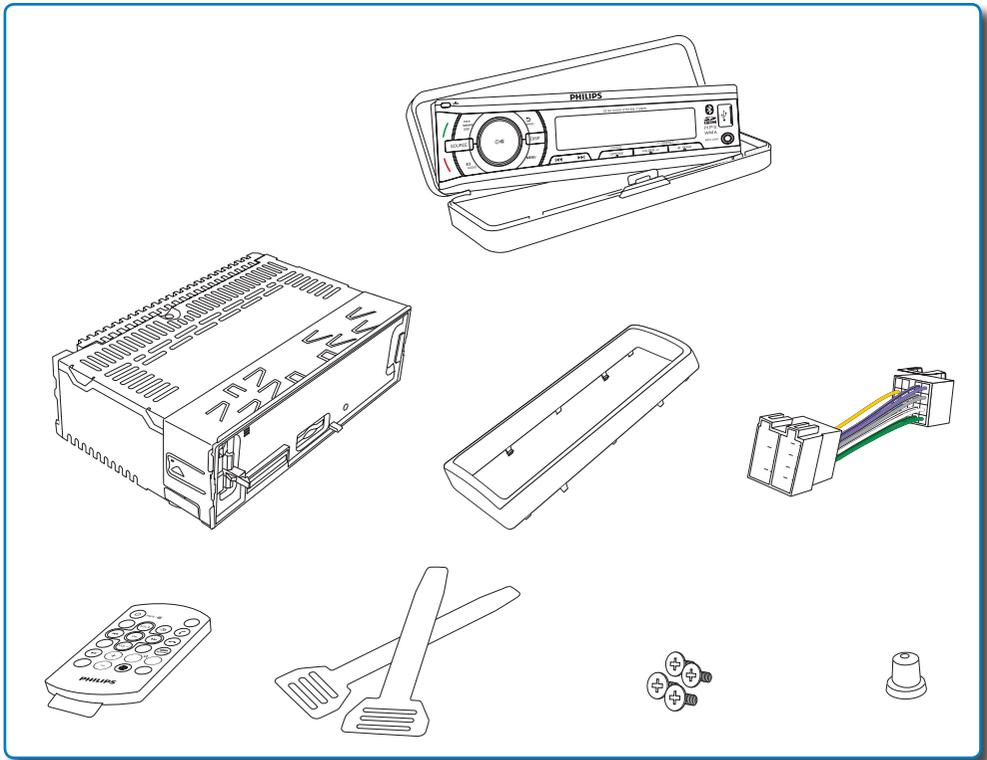
CE150

EN   **User manual**

# PHILIPS

Congratulations on your purchase, and welcome to Philips!

To fully benefit from the support that Philips offers, register your product at www. Philips.com/welcome.

Read this user manual carefully before you install and use the unit. Save it for future reference.
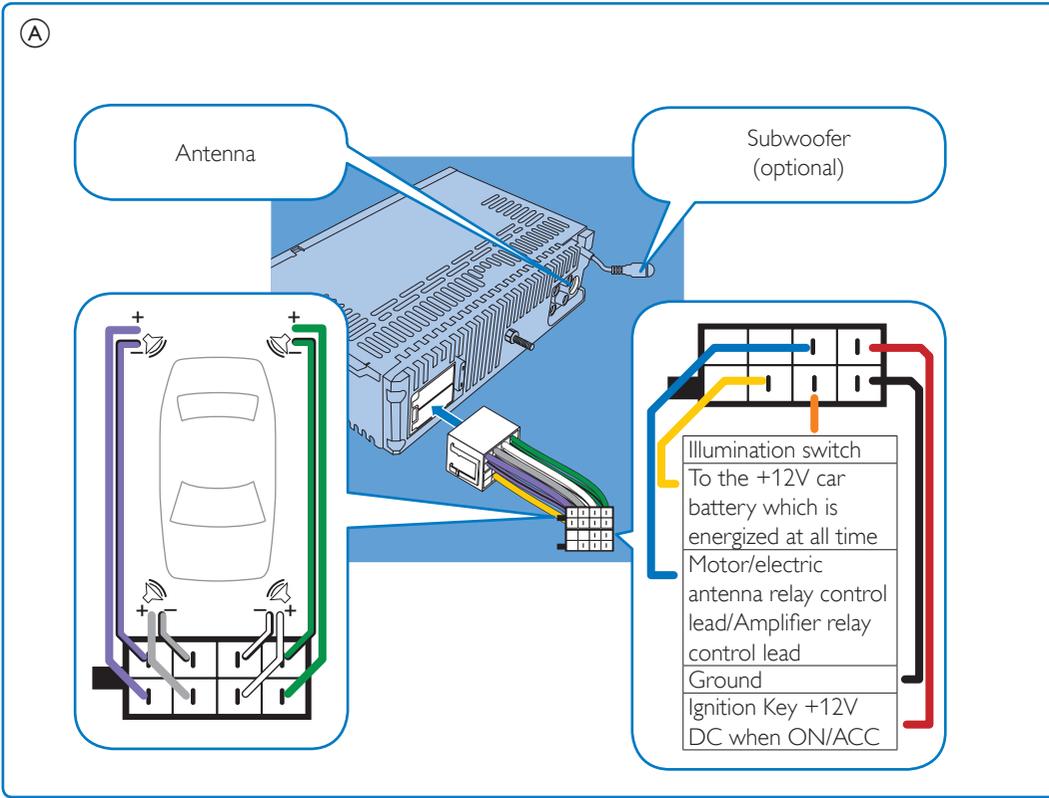
# Introduction

With the in-car audio system, you can enjoy your drive while you listen to:

- FM or AM (MW) radio
- Audio from a USB drive
- Audio from a SD/SDHC card
- Audio from external devices

# 1 Connect



Antenna

Subwoofer (optional)

| | |
|---|---|
| Illumination switch | |
| To the +12V car battery which is energized at all time | |
| Motor/electric antenna relay control lead/Amplifier relay control lead | |
| Ground | |
| Ignition Key +12V DC when ON/ACC | |

⚠ **Caution**

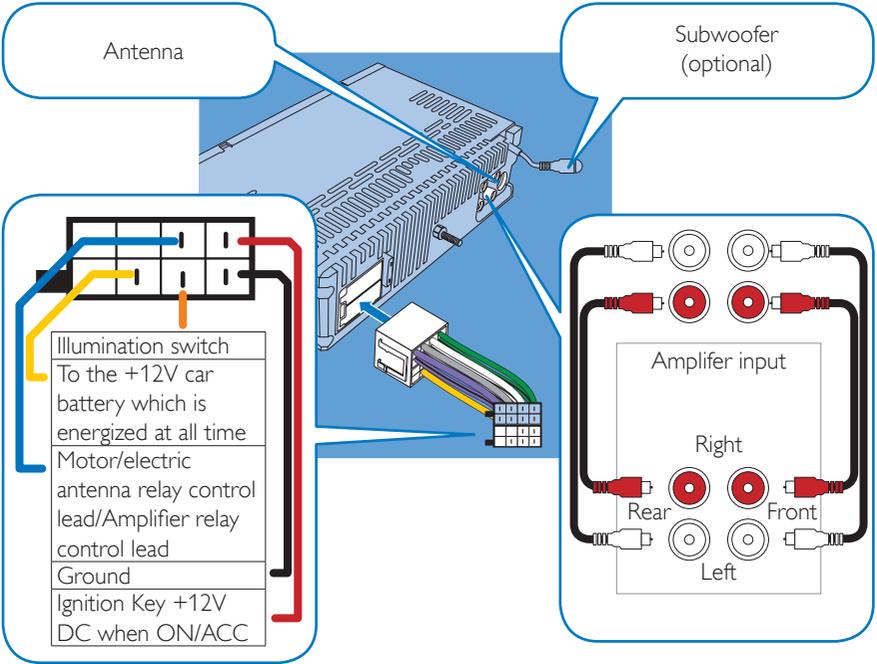Ensure that all leads are insulated with electrical tape.

📋 **Note**

Consult a professional to connect CE150 different from user manual instructions.

or

Antenna

Subwoofer
(optional)

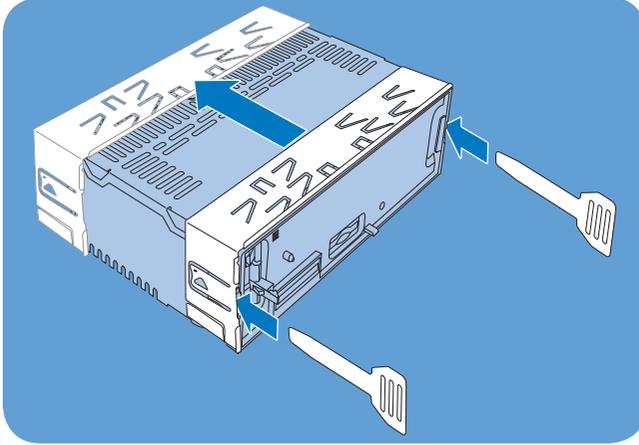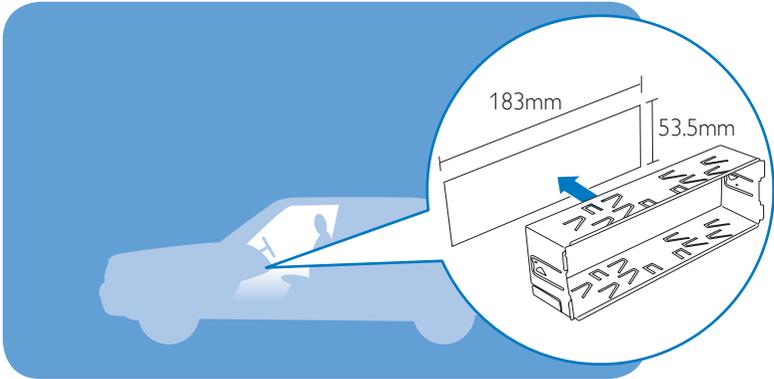| Illumination switch |
| To the +12V car battery which is energized at all time |
| Motor/electric antenna relay control lead/Amplifier relay control lead |
| Ground |
| Ignition Key +12V DC when ON/ACC |

Amplifer input

Right
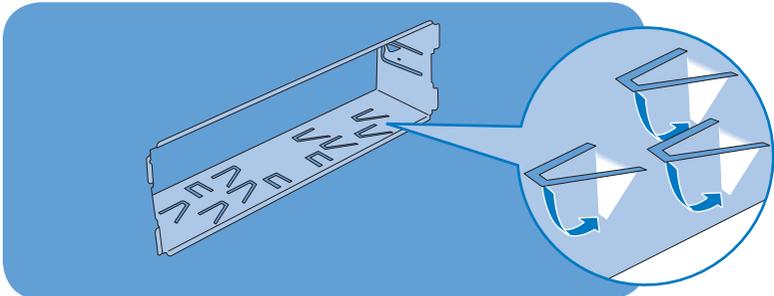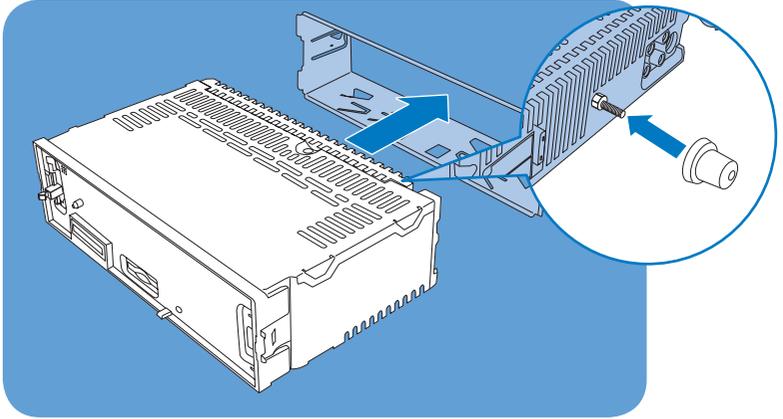
Rear        Front

Left

# 2 Mount into dashboard



A



B

183mm

53.5mm



C
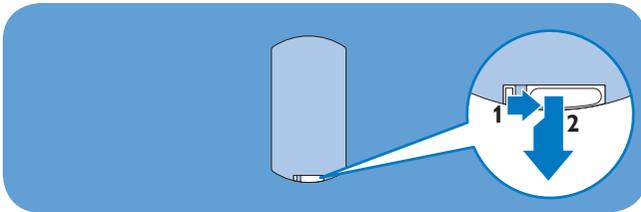
D



D



E

# Remote control



CR2025
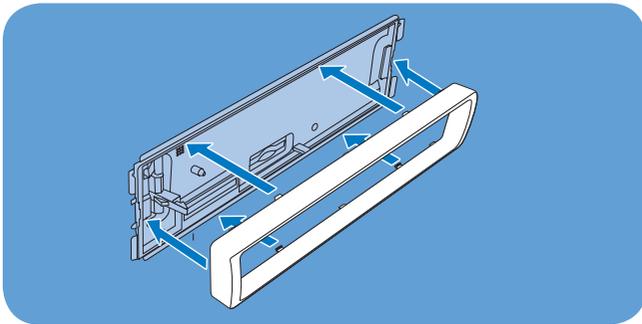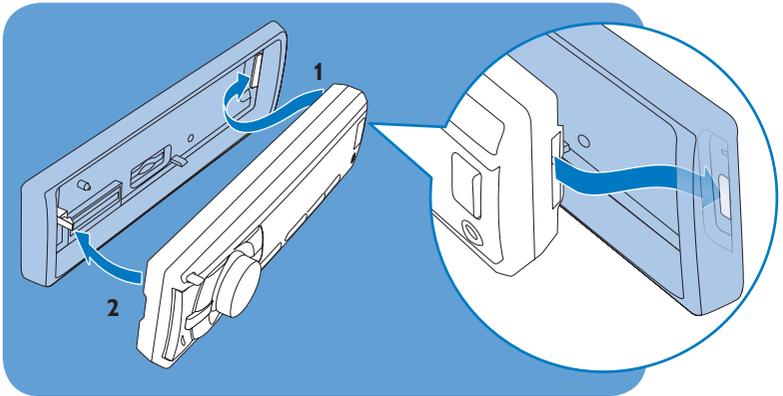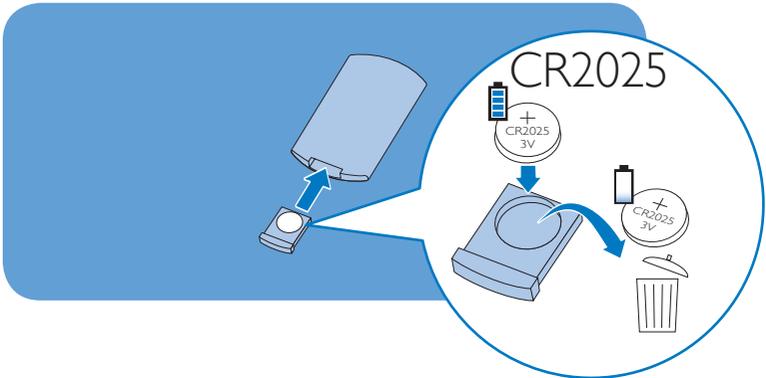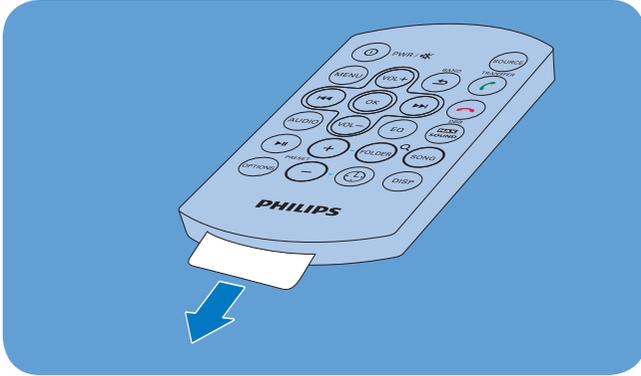
# 3 Get started

## Turn on / Turn off

### Turn on

WELCOME
PHILIPS

### Turn off

3 seconds

GOODBYE

## Adjust volume

VOL 32
VOL 00
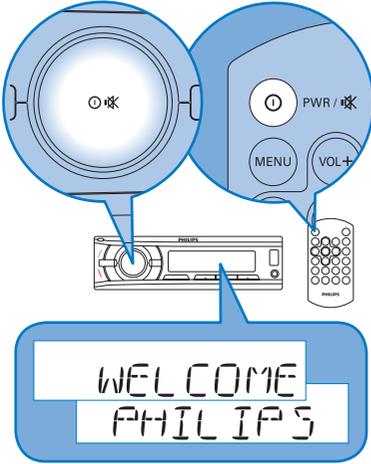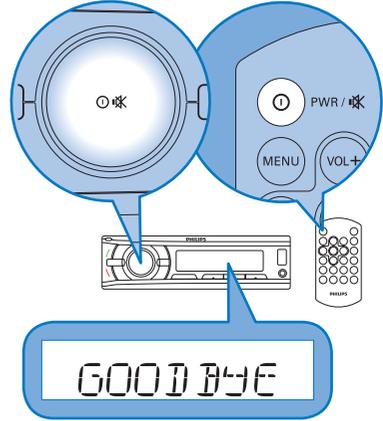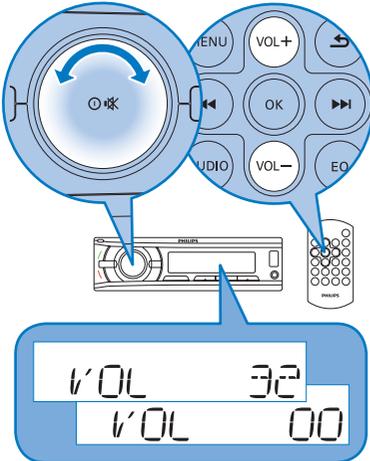
## Mute

MUTE

## Maximizing volume

MAX SOUND

**MAX ON**
**MAX OFF**

## Dynamic Bass Boost

DBB

Press and hold

**DBB ON**
**DBB OFF**

## Source

**RADIO**
**SD PLAY** *
**USB PLAY** **
**MP3-LINK**
**BT AUDIO**
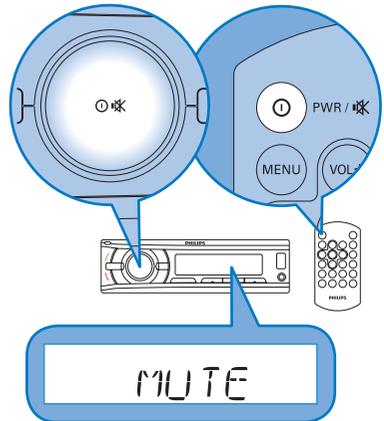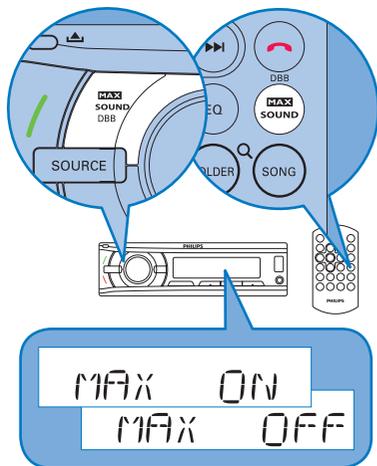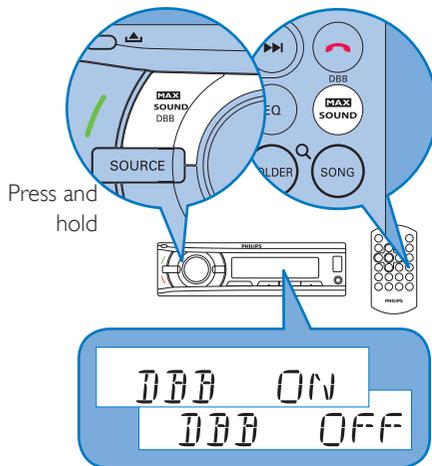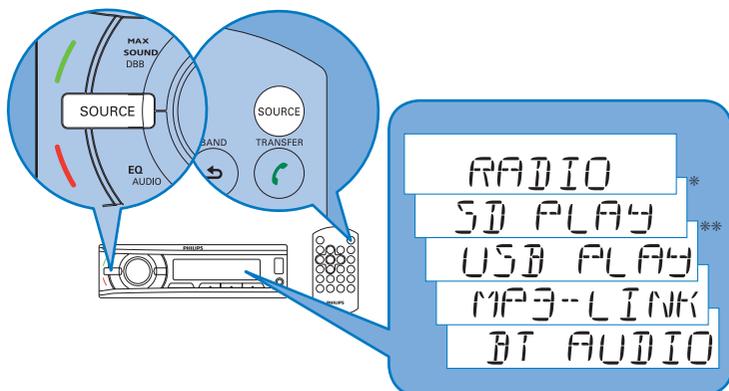
\* if SD card is inserted
\*\* if USB device is inserted

# ⚙ Adjust system settings
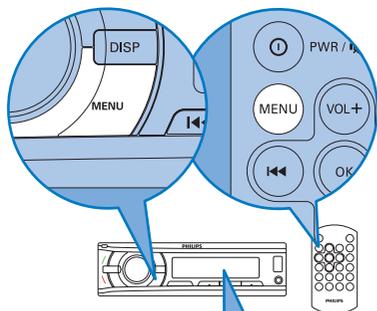


| MENU | RE-CON ↵ |
| | DIS-CON↵ |

| MENU | BT | | BT ON |
| | | | BT OFF |

Bluetooth

| MENU | AREA | | USA Latin Europe Russia |
| | | | AREA USA LAT EUR RUS |

| MENU | CLK SET | | Area: USA, Latin | Area: Europe, Russia |
| | | | CLK 12:00 AM | CLK 00:00 |
| | | | CLK 12:00 AM | CLK 00:00 |

Set clock

| MENU | BEEP | | BEEP ON |
| | | | BEEP OFF |

| MENU | BKO | | BKO OFF |
| | | | BKO 10 S 20 S |

| MENU | DEMO | | DEMO ON |
| | | | DEMO OFF |

# Adjust sound settings
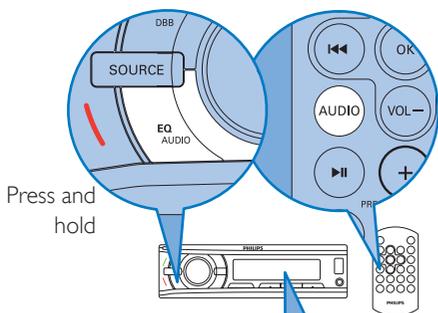
Press and hold

| AUDIO | BASS | ⟳ | BAS +7 |
| | | | BAS 0 |
| | | | BAS -7 |
| AUDIO | TREBLE | ⟳ | TRE +7 |
| | | | TRE 0 |
| | | | TRE -7 |
| AUDIO | BALANCE | ⟳ | BAL 12R |
| | | | BAL 0 |
| | | | BAL 12L |
| AUDIO | FADER | ⟳ | FAD 12F |
| | | | FAD 0 |
| | | | FAD 12R |
| AUDIO | SUBWF | ⟳ | SUBW ON |
| | Subwoofer | | SUBW OFF |

# Equalizer



OPTIMAL
FLAT
POP
USER
TECHNO
ROCK
CLASSIC
JAZZ
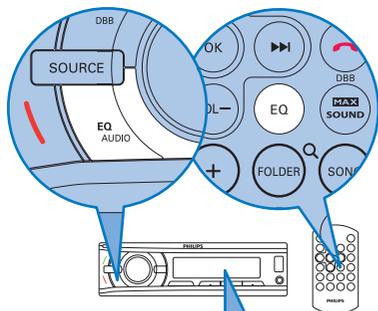
# Reset



RESET

# View clock
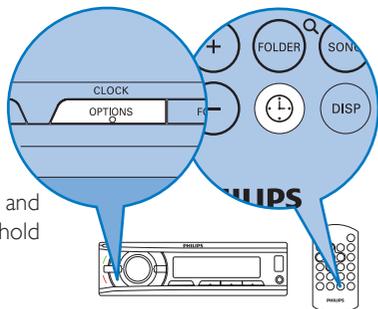


Press and hold
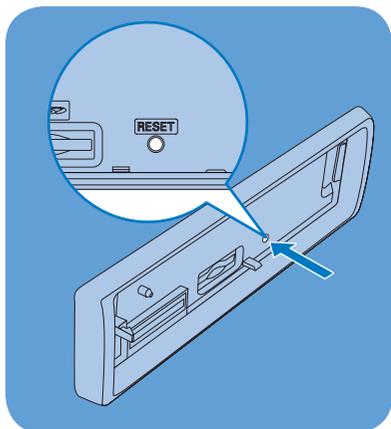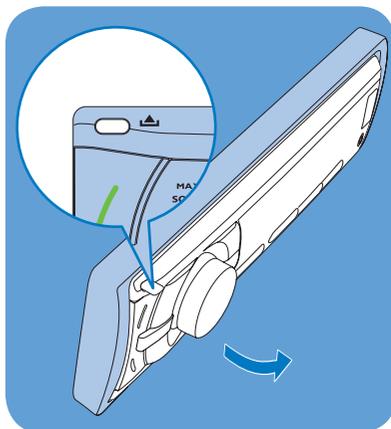
**Caution**

Once it is restore, it cannot be undone.

# Connect Bluetooth

## Pairing

MENU

$BT$

$BT \quad ON$

PIN: 0000

Philips

## Make a call

1234....

$CALL \quad -- -- --$

## Redail

SOURCE

TRANSFER

SOURCE

DBB
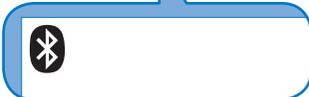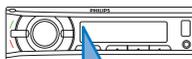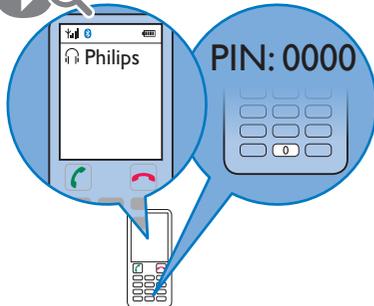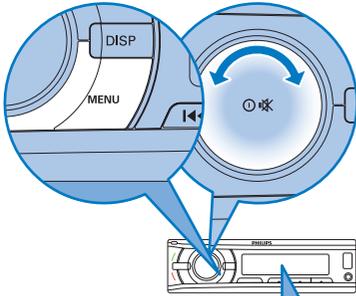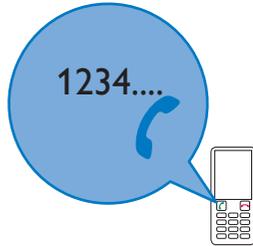
$REDIAL$
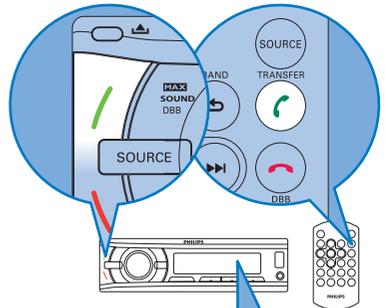
$CALL \quad -- -- --$

# End a call

# Answer a call

`END  0:00`

`TALK  0:00`
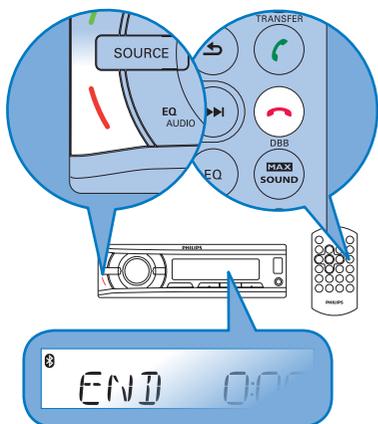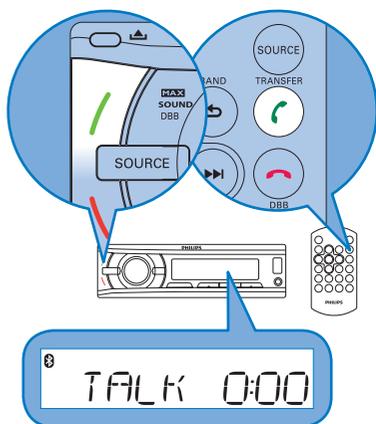
# Reject a call

# Transfer a call
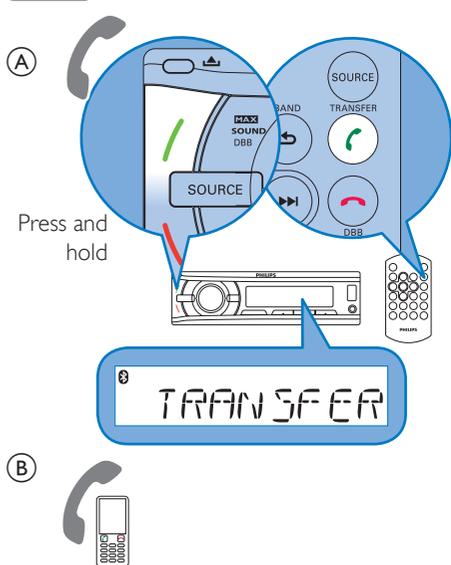
`END  0:00`

Ⓐ

Press and
hold

`TRANSFER`

Ⓑ

# Radio

CLOCK
OPTIONS

PRESET
OPTIONS

OPTIONS    *AUTO STO*    *STORE  --*

OPTIONS    *LOCAL SE*    *SEEK ON*
                        *SEEK OFF*

## Manual tune

MENU  VOL+
OK
AUDIO  VOL—  EQ

## Auto tune

MENU  VOL+
OK
AUDIO  VOL—  EQ

Press and hold

*F1   87.50*   *SEEK↑*
              *SEEK--*

# Select band



F1
F2
F3
AM1
AM2

# Preset station

Press and
hold



F1    90.00
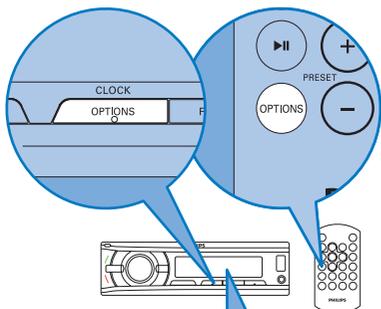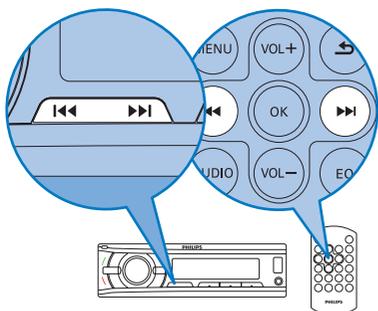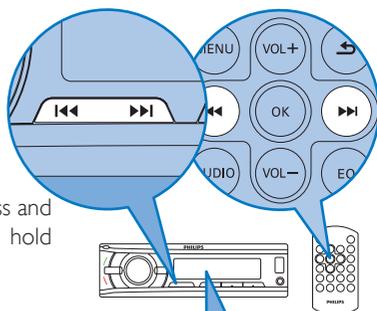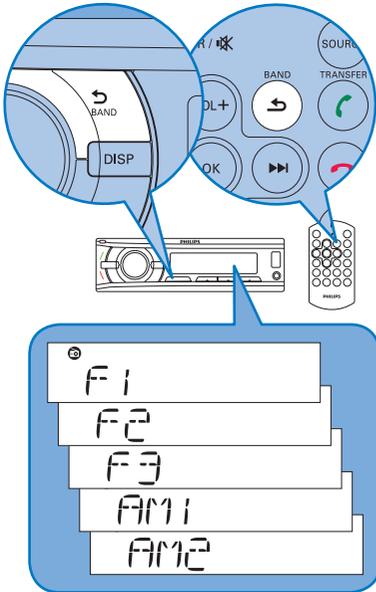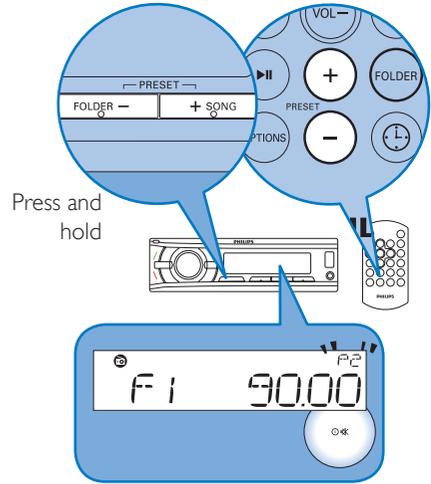
# Play preset station
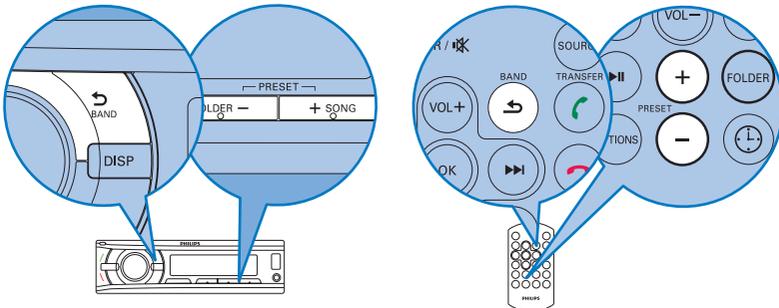
# SD card / USB

## Insert SD card
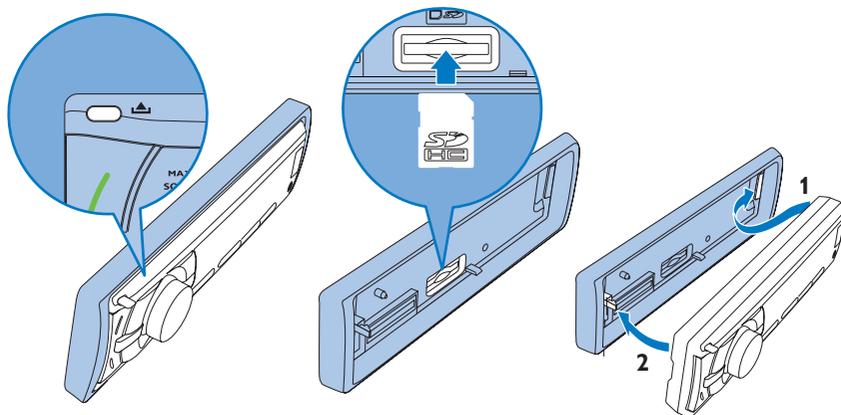


## Insert USB device
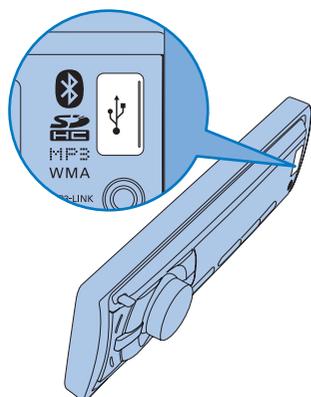
# Play option
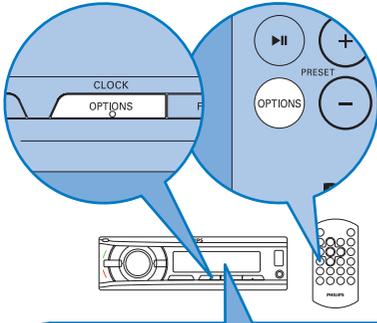


| OPTIONS | | | |
|---|---|---|---|
| **REPEAT** | | **RPT ALL** | |
| | | **RPT TRK** | |
| | | **RPT FLD** | |

| OPTIONS | | | |
|---|---|---|---|
| **RANDOM** | | **RDM ALL** | |
| | | **RDM OFF** | |
| | | **RDM FLD** | |

| OPTIONS | | | |
|---|---|---|---|
| **INTRO** | | **INT ALL** | |
| | | **INT OFF** | |
| | | **INT FLD** | |

CLOCK
OPTIONS
PRESET
OPTIONS
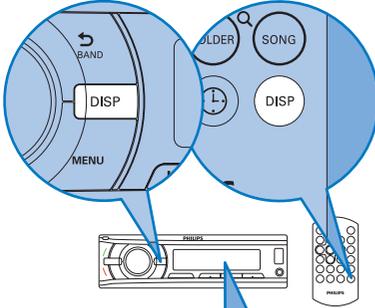
# Song information



| | |
|---|---|
| DISP | Track number and elapsed play time |
| DISP | Folder |
| DISP | File |
| DISP | Album |
| DISP | Title |
| DISP | Artist |

# Search folder
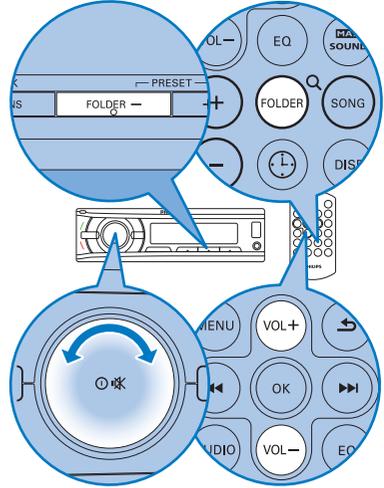


# Search track
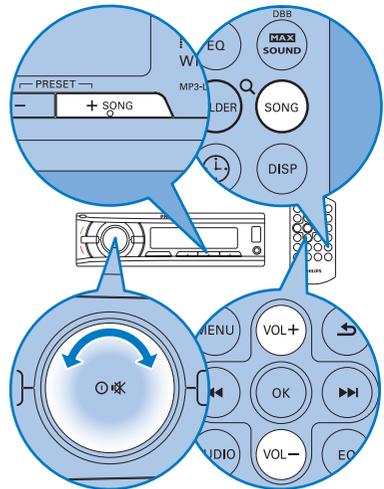
## MP3-Link

### Listen to other source

MP3
WMA
MP3-LINK
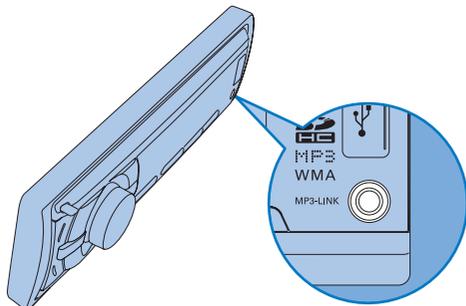
### SD card / USB

### Bluetooth audio

### Skip track
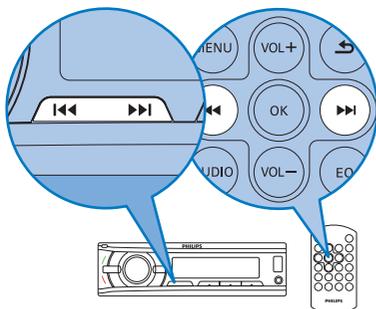
### Search within a track
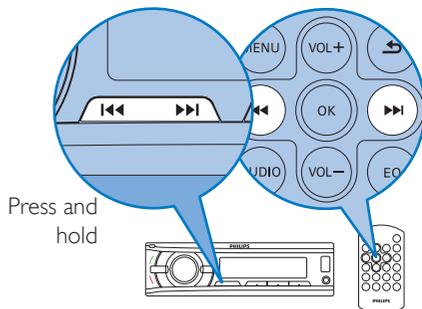
Press and hold

# Product information

| Power supply | 12VDC (11V-16V), negative ground |
| --- | --- |
| Fuse | 15A |
| Suitable speaker impedance | 4 - 8 Ω |
| Maximum power output | 45 W x 4 channels |
| Continuous power output | 22 W x 4 RMS (4Ω 10% T.H.D.) |
| Pre-Amp output voltage | 2.5 V |
| Aux-in level | ≥500 mV |
| Dimensions (W x H x D) | 188 x 58 x 140 mm |
| Weight | 0.8 kg |

## Radio

| Frequency range - FM | 87.5 - 108.0 MHz (100kHz per step in auto search and 50kHz per step in manual search) |
| --- | --- |
| Frequency range - AM(MW) | 522 - 1620 KHz (9 kHz) 530 - 1710 kHz (10 kHz) |
| Usable sensitivity - FM | 8 μV |
| Usable sensitivity - AM(MW) (S/N= 20 dB) | 30 μV |

## Bluetooth

| Output power | 0 dBm (Class 2) |
| --- | --- |
| Frequency band | 2.4000 GHz - 2.4835 GHz ISM Band |
| Range | 3 meters(free space) |
| Standard | Bluetooth 2.0 specification |

## Compatible USB devices
- USB flash memory: USB 1.1 host with interface reading all speed support (1.1, 2.0)
- USB flash players: USB 1.1 host with interface reading all speed support (1.1, 2.0)
- memory cards (SD / SDHC)

## Supported formats
- USB or memory file format: FAT16, FAT32
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA V4, V7, V8, V9 (L1, L2)
- Maximum title number: 512 (depending on file name length)
- Maximum album number: 255
- Supported sampling frequencies: 2 kHz, 44.1 kHz, 48 kHz
- Supported Bit-rates: 2~256 (kbps), variable bit rates
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: USB maximum 199
- Number of tracks/titles: maximum 999
- ID3 tag v2.0 or later
- File name in Unicode UTF8 (maximum length 64 bytes)

## Unsupported formats
- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not be shown in the display.
- Unsupported file formats are skipped. For example, Word documents (.doc) or MP3 files with extension .dlf are ignored and not played.
- AAC, WAV, PCM audio files
- DRM protected WMA files (.wav, .m4a, .m4p, .mp4, .aac)
- WMA files in Lossless format

# ? Troubleshooting

## ⚠ Caution

Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.
If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, go to the Philips web site (www.philips.com/support). When you contact Philips, ensure that your apparatus is nearby and the model number and serial number are available.

### No power or no sound

- Car engine is not on. Turn the car engine on.
- Cable is not correctly connected. Check connections.
- Fuse is burnt. Replace fuse .
- Volume is too low. Adjust volume.
- If the above solutions cannot help, press the RESET button.
- Ensure that the track played is of a compatible format.

### Noise in broadcasts

- Signals are too weak. Select other stations with stronger signals.
- Check the connection of the car antenna.
- Change broadcast from Stereo to mono .

### Preset stations lost

- Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

### Display show ERR-1

- The disc, USB or SD device cannot be read in two minutes.

### Display show ERR-3

- USB/SD data error.

### Display show ERR-5

- Communication error or component is damaged.

## About Bluetooth device

### Cannot pair the Bluetooth enabled device with the car audio system.

- The device does not support the profiles required for the system.
- The Bluetooth function of the device is not enabled. Refer to the user manual of the device for how to enable the function.

### The audio quality is poor after connection with a Bluetooth-enabled device.

- The Bluetooth reception is poor. Move the device closer to the car audio system or remove any obstacle between the device and the system.

### Music playback is unavailable on the system even after successful Bluetooth connection.

The device cannot be used with the system to play music.

### The paired mobile phone connects and disconnects constantly.

- The Bluetooth reception is poor. Move the mobile phone closer to the car audio system or remove any obstacle between the mobile phone and the system.
- Some mobile phones may connect and disconnect constantly when you make or end calls. This does not indicate any malfunction of the system.
- For some mobile phones, the Bluetooth connection may be deactivated automatically as a power-saving feature.
- This does not indicate any malfunction of the system.

# ! Important

## Safety

- Read and understand all instructions before you use your apparatus. If damage is caused by failure to follow instructions, the warranty does not apply.
- This apparatus is designed for negative ground (earth) 12 V DC operation only.
- To ensure safe driving, adjust the volume to a safe and comfortable level.
- Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.
- Use only the supplied mounting hardware for a safe and secure installation.
- To avoid short circuit, do not expose the apparatus, remote control or remote control batteries to rain or water.
- Never insert objects into the ventilation slots or other openings on the apparatus.
- Clean the apparatus and frame with a soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the apparatus.
- Never place any objects other than discs into the apparatus.
- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.
- Visible and invisible laser radiation when open. Avoid exposure to beam.
- Risk of damage to the apparatus screen! Never touch, push, rub or strike the screen with any object.

### ! Caution

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

## Notice

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

### Recycling

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.
Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with nvormal household waste. Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

**PHILIPS**